

# Recombinant Full Length Rat Cytochrome B Ascorbate-Dependent Protein 3(Cybasc3) Protein, His-Tagged

**Cat. No.** RFL13235RF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Rat Cytochrome b ascorbate-dependent protein 3(Cybasc3) Protein (Q5U2W7) (1-256aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                   |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | Full Length (1-256)                                                                                                                                                                                                                                                                  |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | MASGWFYMSCMVLGSLGSMCILFTTYWMQYWRGGFAWDGTVLMFNWHPVLMVS<br>GMVVLYG AASLVYRLPASWVGPKLPWKVLHAALHLLAFTVTTVGLTAVFGFHNHNSK<br>ITHLYSLHSWL GITTVALFACQWFLGFAVFLLPWASQWLRSLKPVHVFFGACILSLS<br>IASVISGINEKLF FVLKNATRPYSSLPGEAVFANSTGILVVSFGLLVLYILLASSWRRP<br>DPGALTDRQVWLLV SHYRWDKAKKACFAPC |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                          |
| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                  |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                       |

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|-----------------------|---------------------------------------------|
| <b>Storage Buffer</b> | Tris/PBS-based buffer, 6% Trehalose, pH 8.0 |
|-----------------------|---------------------------------------------|

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

**GENE INFORMATION****Gene Name**

Cyb561a3

**Synonyms**

Cyb561a3; Cybasc3; Lysosomal membrane ascorbate-dependent ferrireductase  
CYB561A3; Cytochrome b ascorbate-dependent protein 3; Cytochrome b561 family  
member A3; Lysosomal cytochrome b; LCytb

**UniProt ID**[Q5U2W7](#)

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